

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P628644

Luminaire Tested: GWS-SA1A-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2090.9 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B1 - U0 - G1

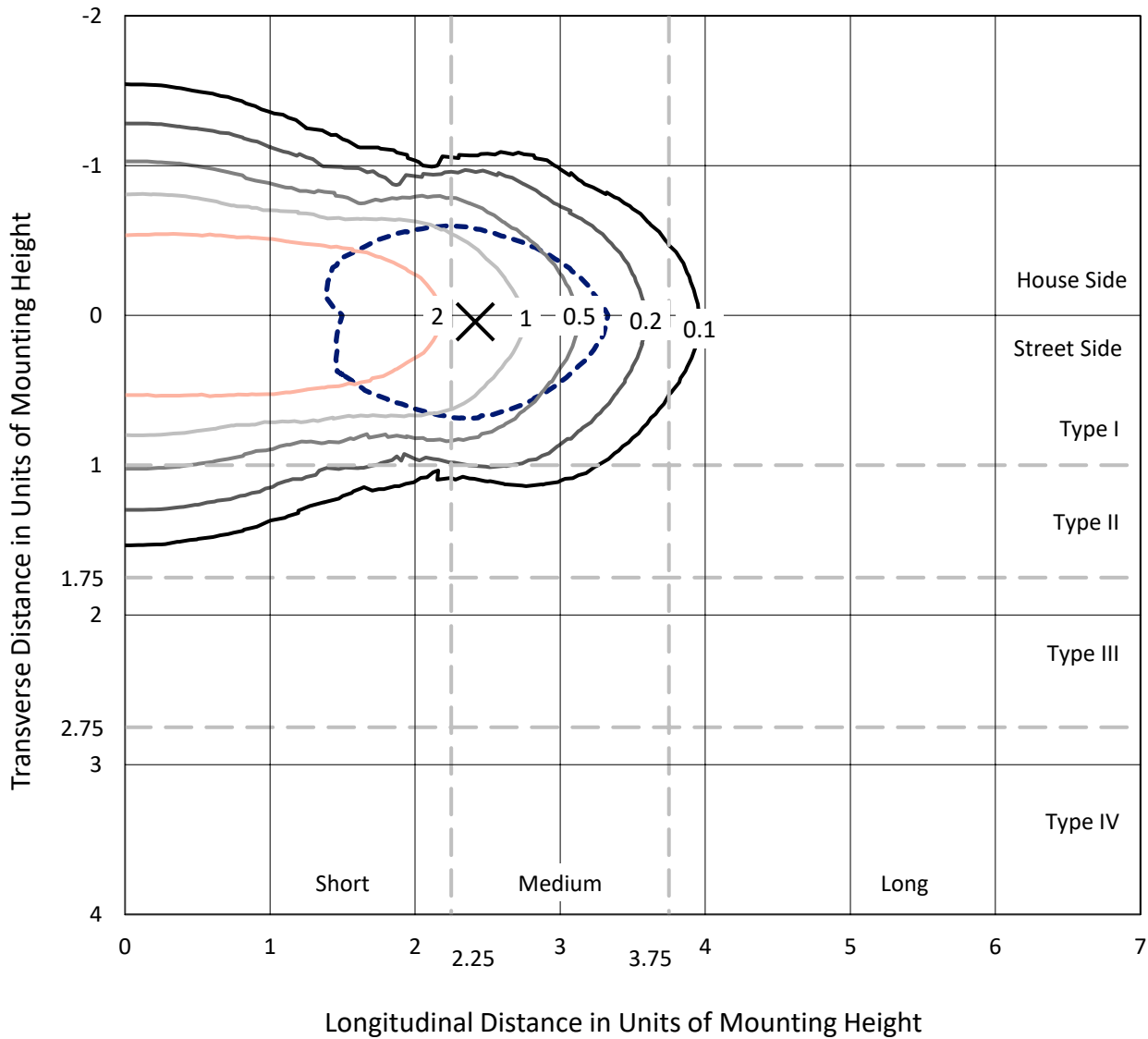
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

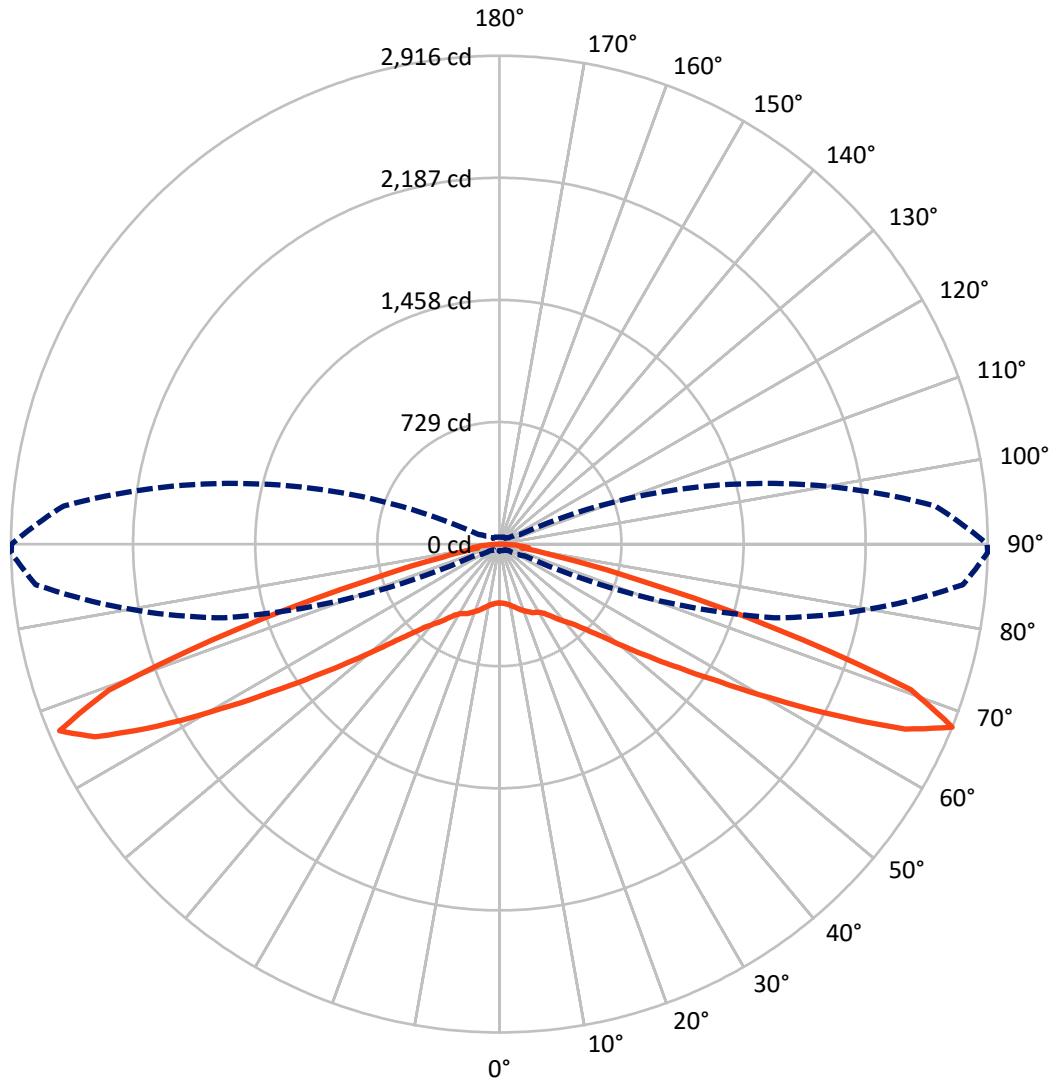
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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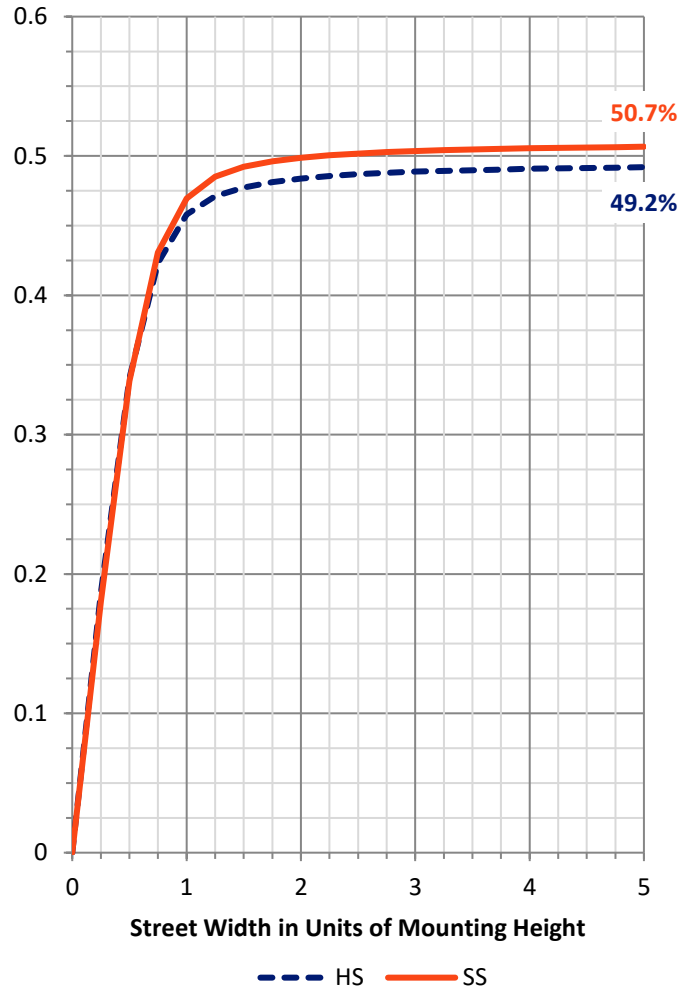
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1036.3	0.0	1036.3
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	1054.6	0.0	1054.6
	% Fixture	50.4	0.0	50.4
Total	Lumens	2090.9	0.0	2090.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	1.7
10°-20°	114.6	5.5
20°-30°	193.8	9.3
30°-40°	265.9	12.7
40°-50°	339.1	16.2
50°-60°	425.5	20.3
60°-70°	513.1	24.5
70°-80°	185.6	8.9
80°-90°	18.1	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2090.9	100.0
0°-180°	2090.9	100.0

Coefficient of Utilization



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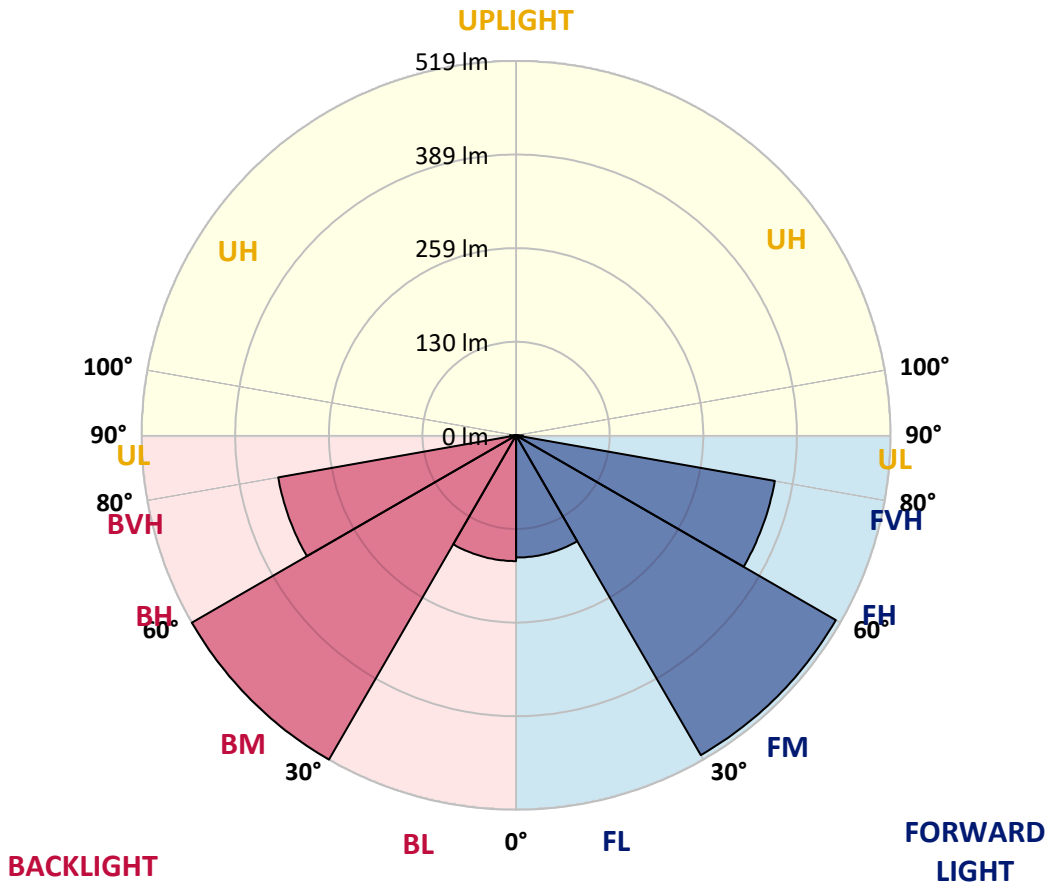
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.3	8.1			
FM (30°-60°)	511.7	24.5			
FH (60°-80°)	364.1	17.4			G0/660
FVH (80°-90°)	9.5	0.5			G0/10
BL (0°-30°)	174.2	8.3	B1/500		
BM (30°-60°)	518.8	24.8	B1/1000		
BH (60°-80°)	334.7	16.0	B1/500		G1/500
BVH (80°-90°)	8.5	0.4			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9
2.5°	352.0	351.7	350.9	353.2	352.7	352.9	353.8	353.2	352.1	350.3	352.9
5°	361.9	361.8	360.1	361.5	360.0	358.9	358.7	357.2	356.0	354.1	356.8
7.5°	371.5	371.4	370.0	372.4	371.2	370.0	368.7	365.7	362.8	360.0	363.0
10°	378.9	378.7	378.4	381.9	382.2	382.6	382.0	376.9	372.0	368.5	371.5
12.5°	383.1	383.5	384.3	390.6	393.7	396.7	397.5	393.3	385.0	380.1	383.7
15°	380.2	381.1	384.9	396.3	405.0	411.8	414.6	411.2	400.5	392.2	396.3
17.5°	366.6	367.3	374.7	392.1	411.3	426.9	431.6	429.5	417.6	407.6	411.5
20°	347.6	349.3	357.2	381.6	410.3	437.4	449.9	449.2	436.2	420.8	425.4
22.5°	330.5	332.5	340.9	367.8	403.2	440.1	468.4	470.3	453.2	434.0	437.7
25°	311.3	313.1	323.9	351.4	391.0	438.0	484.1	493.0	472.4	449.2	452.6
27.5°	291.6	293.0	303.6	332.9	375.1	434.1	496.6	517.9	491.3	459.7	462.1
30°	274.4	276.2	285.9	314.5	357.7	426.3	506.8	544.5	513.1	471.5	473.5
32.5°	257.7	259.2	269.9	296.3	339.2	414.3	516.0	575.7	545.4	493.6	493.6
35°	236.7	239.4	251.4	278.9	321.8	398.4	522.6	612.1	589.6	526.2	526.3
37.5°	217.3	218.8	231.4	259.2	303.5	380.4	523.2	649.8	645.4	567.6	567.9
40°	195.2	197.2	210.7	238.2	282.5	361.5	517.5	684.9	704.0	610.3	608.6
42.5°	172.8	175.7	188.6	215.5	259.8	338.3	502.3	718.4	778.3	659.7	655.6
45°	151.2	153.0	165.9	191.3	233.8	310.7	478.0	750.5	866.6	734.8	728.9
47.5°	126.9	127.6	141.0	165.3	206.9	279.9	443.1	779.2	963.6	834.2	824.1
50°	105.3	106.3	116.8	137.7	174.0	243.4	399.7	796.0	1087.2	969.8	952.4
52.5°	85.1	86.2	94.6	111.3	143.9	201.8	346.0	792.1	1212.6	1138.1	1112.7
55°	68.8	69.5	75.2	88.3	113.2	160.5	282.5	757.1	1351.8	1358.0	1303.3
57.5°	58.1	58.4	62.3	70.3	88.4	123.7	218.0	674.6	1497.8	1638.5	1548.7
60°	52.0	52.1	53.9	58.9	69.8	94.5	159.8	543.0	1649.0	1989.4	1866.3
62.5°	48.1	48.1	49.6	52.4	58.0	72.7	117.4	390.0	1757.6	2371.3	2248.9
65°	44.3	44.3	45.4	47.8	50.8	59.3	88.1	251.5	1810.9	2690.5	2663.4
67.5°	39.5	39.6	40.4	42.9	45.7	49.6	66.8	170.1	1700.2	2778.8	2916.4
70°	35.0	35.1	36.2	37.8	40.1	42.8	52.3	117.3	1237.5	2314.4	2607.7
72.5°	30.0	30.6	31.4	33.2	34.5	36.5	42.6	76.0	720.1	1488.8	1723.8
75°	24.6	25.4	26.3	28.1	29.0	29.7	35.1	54.2	346.4	754.4	859.1
77.5°	19.1	19.8	20.9	22.5	23.1	24.0	26.9	39.2	165.9	334.4	360.6
80°	12.8	13.1	14.0	15.9	17.0	17.6	19.8	26.7	72.1	134.2	133.0
82.5°	7.8	8.0	8.3	9.5	9.9	10.5	12.9	16.4	34.4	152.6	174.9
85°	2.9	2.7	2.6	3.3	3.9	4.5	6.0	8.3	15.0	104.8	117.3
87.5°	0.0	0.0	0.0	0.2	0.3	0.3	0.6	1.2	3.6	39.2	26.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9
2.5°	352.1	350.5	352.6	354.1	357.4	358.6	358.9	357.8	357.8	356.0	356.3
5°	356.2	355.1	358.6	361.2	366.0	367.8	369.0	368.2	368.7	367.5	367.8
7.5°	362.4	361.5	367.5	372.4	377.4	379.5	380.5	379.9	380.1	378.6	379.0
10°	370.9	371.2	378.4	384.9	391.5	393.6	394.0	392.2	390.7	388.0	388.2
12.5°	382.6	384.1	394.3	401.5	408.3	411.3	408.0	401.4	395.2	390.6	390.0
15°	395.4	398.1	412.8	422.0	429.3	427.8	418.1	403.2	391.0	384.1	382.8
17.5°	410.7	414.8	433.2	444.2	450.5	440.9	420.5	398.2	381.3	372.0	370.2
20°	425.1	431.6	454.9	469.1	469.9	448.2	419.4	388.2	366.9	355.4	353.0
22.5°	438.3	446.6	477.5	495.7	485.9	451.6	413.0	373.9	349.4	336.1	334.0
25°	452.8	464.5	504.0	520.9	502.0	450.2	399.4	356.2	328.4	314.8	313.2
27.5°	462.7	477.4	530.5	546.8	515.2	442.5	382.0	336.8	309.2	296.3	294.2
30°	474.1	492.8	559.8	574.8	523.3	431.3	363.4	318.8	291.3	277.4	275.9
32.5°	494.8	518.4	596.2	604.6	525.9	417.3	345.5	301.4	272.7	258.7	256.6
35°	528.1	555.8	647.2	637.8	523.9	402.0	328.6	281.0	253.6	240.6	238.5
37.5°	570.2	604.6	704.1	667.6	518.5	385.2	308.4	263.8	236.5	223.3	222.1
40°	609.4	651.7	768.0	693.5	507.6	364.5	289.1	246.0	218.0	204.1	201.4
42.5°	658.5	714.8	841.8	715.8	489.5	339.7	267.3	223.9	194.9	182.3	179.0
45°	733.1	803.1	927.7	737.3	462.7	309.2	240.0	197.0	169.5	156.6	154.1
47.5°	826.2	913.5	1020.8	750.1	421.8	277.1	209.0	168.6	141.2	126.6	125.4
50°	957.0	1074.0	1120.7	747.8	376.2	238.9	174.2	134.9	111.9	101.4	99.7
52.5°	1116.3	1275.5	1228.7	720.8	327.7	195.5	135.8	105.9	88.7	81.2	79.9
55°	1316.2	1516.8	1342.3	662.8	266.4	149.7	106.6	83.5	71.8	67.3	66.7
57.5°	1563.7	1829.3	1451.8	565.2	200.3	114.3	82.1	68.9	63.4	60.7	60.5
60°	1890.3	2161.1	1546.9	439.2	143.4	87.4	67.9	61.6	57.2	55.4	55.3
62.5°	2278.6	2462.3	1606.0	299.1	107.8	69.7	59.8	55.9	53.3	52.3	52.1
65°	2677.8	2652.7	1577.8	196.0	81.8	59.2	53.6	51.5	49.3	48.2	48.2
67.5°	2913.5	2612.5	1361.1	136.1	64.9	52.0	48.4	46.4	42.6	41.7	41.7
70°	2580.6	2116.9	892.1	99.6	52.6	45.5	42.0	39.3	37.8	36.9	36.8
72.5°	1706.8	1377.5	474.4	69.1	43.8	38.7	35.6	34.5	32.7	31.8	31.7
75°	849.5	723.5	243.1	49.9	36.5	31.1	29.7	29.3	27.8	26.6	26.3
77.5°	354.1	322.1	113.4	36.2	27.8	25.1	23.9	23.9	22.2	20.9	20.3
80°	133.5	118.9	53.6	24.8	20.6	18.6	17.9	17.3	15.9	14.3	13.4
82.5°	178.5	116.7	26.3	15.5	13.5	12.0	11.0	10.5	9.8	9.0	8.4
85°	115.6	82.9	11.9	8.0	6.8	5.1	4.5	4.2	3.8	3.3	3.0
87.5°	23.6	27.8	3.6	1.5	0.9	0.5	0.5	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)